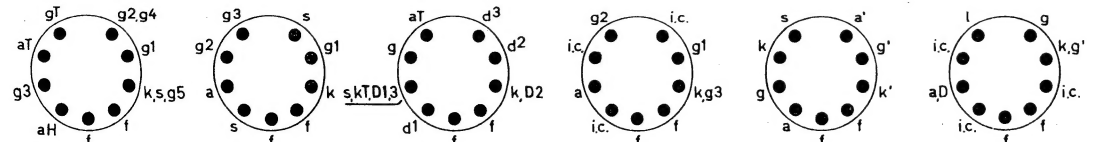


OFF	Bass	PU	Jazz	BC	Voice	SW	Orch.	FM
			• J 1			• S 1	• F 1	• 10
			• 2			• 2	• 2	• 11
			• 3			• 3	• 3	• 12
						• 4	• 4	• 13
						• 5	• 5	• 14
					• V 2	• 6	• 6	• 15
					• 3	• 7	• 7	• 16
						• 8	• 8	• 17
						• 9	• 9	• 18

Switch contacts shown in BC Orch. position.
 Direction of switch motion. 1 Step = 1 Contact
 IF 455 Kc AM
 10.7 Mc FM
 All voltages measured between points indicated and ground using
 333 ohms/V - meter (300V - range)
 Values in parenthesis: Set in AM - position.

gez.: 27.2.59
 gepr.: 2.3.59

ECH 81 EF 89 EABC 80 EL 84 ECC 85 EM 80



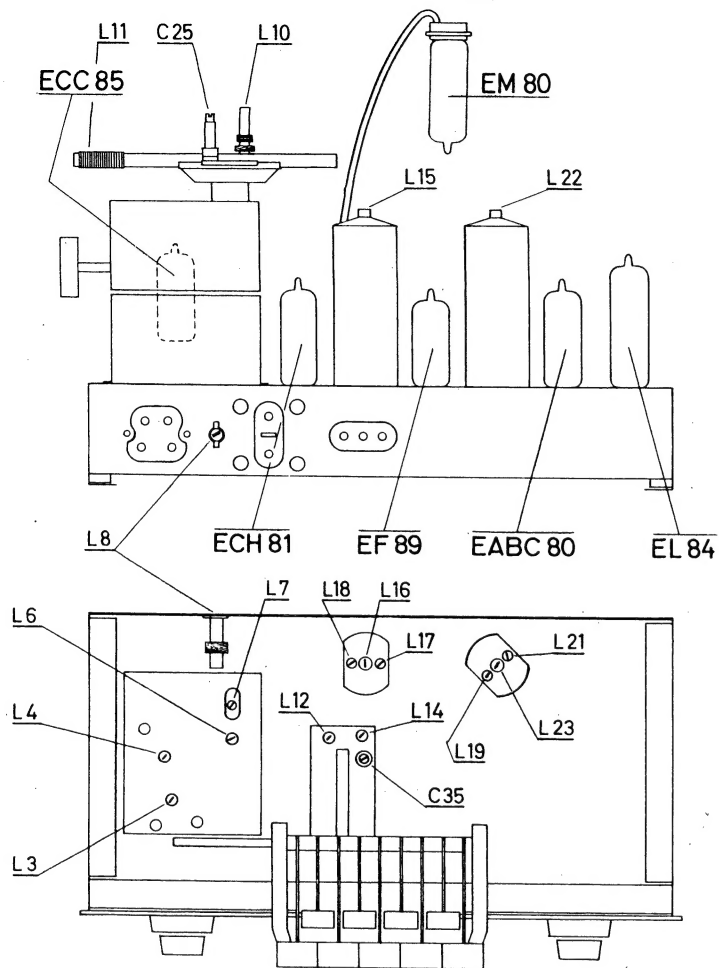
Bella - Luxus 5711


LOEWE OPTA

C
R

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20	25	26	29	32	4	34	36	37	39	40	41	42	44	45	47	48	51	53	56	58	60	62	63	68	70	73	74	76
21	22	23	1	28	30	33	5	7	35	43	46	19	49	50	52	54	56	57	59	61	62	64	67	69	71	72	75	
6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57



AM intermediate frequency alignment 455 Kc				
Range	position of pointer	Signal generator connection	Alignment	Remarks
BC	appr. 600 Kc	grid 1 EF 89	L22 and L23 maximum	When aligning one side of IF-Filter, the other side has to be damped by a combination of 5K Ω and 5000 μ F in series.
		grid 1 ECH 81	L15 and L16 maximum	
BC	appr. 600 Kc	aerial socket	L8 minimum	
FM intermediate frequency 10,7 Mc				
Signal generator frequency-modulated deviation: \pm 15 Kc	Signal generator connection	Alignment	Remarks	
	grid 1 EF 89	L19 and L21 maximum	Alignment indication: Outputmeter. Generator voltage should not be higher than necessary for appr. 1 volt, measured on outputmeter (Volume full)	
	grid 1 ECH 81	L17 and L18 maximum		
	insulated wire	L6 and L7 maximum		
				
BC and SW alignment				
Range	Frequency position of pointer	Oscillator	RF circuit	Remarks
BC	525 Kc	L14 C35	L11 (on ferrite rod) C25	Pointer on calibration points of dial. Alignment to be repeated several times for maximum output.
	1600 Kc			
	600 Kc			
	1500 Kc			
SW	7 Mc	L12	L10	
FM circuit alignment				
Signal generator frequency-modulated deviation: \pm 15 Kc	Frequency position of pointer	Oscillator	RF circuit	Remarks
	98 Mc	L4	L3	Signal generator sym. (240 Ω) on dipole jacks. Input appr. 5-10 μ V. Alignment indication: outputmeter

Tube interchangeability chart American and European types	
American type	European type
6AQ8	ECC 85
6AJ8	ECH 81
6DA6	EF 89
6T8	EABC 80
6BQ5	EL 84
6BR5	EM 80

